

A3

✓

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-176226

(43)Date of publication of application : 08.07.1997

(51)Int.Cl.

C08F 4/658

C08F 10/02

(21)Application number : 07-330675

(71)Applicant : SAMSUNG GENERAL CHEM CO LTD

(22)Date of filing : 19.12.1995

(72)Inventor : VLADIMIR ALEKSANDROV
ZAKHAROV
SERGEJ IVANOVICH
MAVTARURIN
SERGEY ANDREEVICH SERGEEV
TATYANA BORISOVNA MIKENAS
VARENTIN EVGENIEVICH
NIKITIN

(54) PRODUCTION OF SUPPORTED CATALYST FOR POLYMERIZATION OF ETHYLENE AND FOR COPOLYMERIZATION OF ETHYLENE WITH ALPHA-OLEFIN

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a polymer having a controlled narrow particle size distribution and a high bulk density by performing the (co)polymerization in the presence of a catalyst prepared by reacting a specified organomagnesium compound (A) with an organohalogen compound (B) under specified conditions.

SOLUTION: In producing a supported catalyst for the polymerization of ethylene or the copolymerization of ethylene with an α -olefin by reacting a solution of component A with component B to form a magnesium-containing support and treating this support with a titanium or vanadium compound, component A used is a compound having a composition represented by the formula: $\text{MgPh}_2/n\text{MgCl}_2/m\text{R}_2\text{O}$ (wherein (n) is 0.37-0.7; $m \geq 0.5$; R_2O is an ether; and Ph is a phenyl). This compound is obtained by reacting metallic magnesium with chlorobenzene in the presence of dibutyl ether. Component B is, for example, carbon tetrachloride. Component A is reacted with component B at a component B/Mg molar ratio of 0.5 or above at -20 to 80°C to obtain the objective supported catalyst.

LEGAL STATUS

[Date of request for examination] 19.12.1995

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 2759780

[Date of registration]

20.03.1998

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office